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beak reaching lower edge of middle coxae. Yellowish-brown or yellowish-olive; an obscure dark suffusion down the middle of the abdomen; antennæ, legs and apical part of nectaries, blackish. A whitish waxy powder on under surface. The young are pale green or pale reddish. The pupæ have more of the bluish-white wax, and have a very distinct dark mark on the middle of the abdomen.

The insects swim well on the surface of the water.

T. D. A. COCKERELL.

*THE NEW ORLEANS MEETING OF THE  
AMERICAN ASSOCIATION FOR THE  
ADVANCEMENT OF SCIENCE.*

THE permanent secretary announces that owing to delayed negotiations with the railroads with regard to rates and on account of a printers' strike in Washington, the publication of the preliminary announcement of the New Orleans meeting has unfortunately been delayed. It is probable, however, that the announcement will be mailed to all members of the association from Washington about December 8. Additional information to that contained in the announcement will be found in *SCIENCE* of December 15 and December 22.

As announced last week the Southeastern Passenger Association, including practically the territory south of the Potomac and Ohio Rivers and east of the Mississippi, has granted a one-fare round trip rate plus 25 cents, and the Central Passenger Association has now adopted the same rate. Other passenger associations will either adopt this rate or with the northern associations a one-fare and one third rate to their southern terminals, the one-fare rate holding for distances south of these terminals. The latter plan has been adopted by the Trunk Line Association, which includes New York, New Jersey, nearly all of Pennsylvania, Delaware, Maryland and West Virginia north of Charleston. This will make a very reasonable rate amounting to about \$36 from New York City and \$27.75 from Washington.

The plans for the meeting are practically completed and many interesting features will be announced in addition to those already mentioned in these columns. The social features will include a smoker at the Washington Artil-

lery Hall on Friday night, December 29; a general reception on the night of December 30, an excursion on December 31 to the large sugar plantations, receptions by private citizens of New Orleans, and personally conducted trolley rides over the city, particularly through the most interesting old and historic parts. Visits will also be arranged to the many industrial establishments and to the new municipal drainage plant.

The symposium to be held under the auspices of Section K on the subject of yellow fever and other insect-borne diseases is attracting much attention, and many prominent experts have accepted invitations to speak. Professor Farlow, the retiring president, has announced as his subject 'The Popular Conception of a Scientific Man at the Present Day.'

On Monday evening the American Chemical Society will hold its annual subscription dinner, and the visiting members of the Sigma Xi will also hold a dinner at a time and place to be announced later. The hotels have announced reasonable rates, and a full list of these rates, together with a list of boarding houses, will be printed in the preliminary announcement.

The permanent secretary reiterates the announcement on the authority of the best sanitarians in the country that there should not be the slightest fear in the mind of any member of the association that New Orleans will be an unhealthy place at the time of the meeting or that it is now unhealthy. In fact, the brilliant sanitary achievement of last summer in wiping out the yellow fever epidemic should greatly add to the interest of a visit to New Orleans at this time. This fact and the general interest attaching to this unique city, together with the unprecedentedly low railroad rates, should combine to bring about an especially large attendance and particularly from the north and east. A visit to New Orleans and its vicinity is in many ways as interesting as a visit to France or Spain.

*SCIENTIFIC NOTES AND NEWS.*

DR. WILLIAM M. L. COPLIN, professor of pathology and bacteriology in Jefferson Med-

ical College, has been appointed director of the Department of Public Health and Charities of Philadelphia.

ON Charter Day, November 10, Rutgers College conferred the honorary degree of doctor of science upon Professor John E. Hill, head of the department of civil engineering at Brown University.

DR. FRIEDJOF NANSEN will shortly go to London as minister from Norway.

THE Ingersoll lecture at Harvard University will be given by Professor Wilhelm Ostwald, of the University of Leipzig, on December 12. The subject is 'Individuality and Immortality.'

PRESIDENT REMSEN, of the Johns Hopkins University, gave the chief address at the inauguration of Dr. Charles Lee Smith, of Mercer University, Macon, Ga.

THE various expeditions sent out by the Carnegie Museum to the fossil fields of the west have returned. The party under Mr. O. A. Peterson has collected a large amount of material from the Miocene deposits of Nebraska. In Montana Mr. Earle Douglass and Mr. Percy E. Raymond were very successful, the former in collecting vertebrates, the latter in collecting invertebrates, and in studying the relations which the Ordovician of the west bears to that of the eastern portions of the United States. The explorations conducted by Mr. W. H. Utterback led to the discovery and collection of the greater portion of a skeleton of *Brontosaurus* and of the remains of some smaller dinosaurs.

MR. R. S. WILLIAMS, who has been exploring in the Philippine Islands on behalf of the New York Botanical Garden for about two years, has returned with large collections of herbarium and museum specimens and seeds.

DR. WM. BULLOCK CLARK, professor of geology at the Johns Hopkins University, delivered a public lecture on November 13 before the Woman's College of Baltimore on 'Fossils and Geological History.' He will deliver a second lecture on December 11 on 'The Mineral Resources of Maryland.'

LEAVE of absence for this year by the University of North Carolina has been granted to

Dr. James Edward Mills, associate professor of chemistry, and to Mr. Marvin Hendrix Stacy, instructor in mathematics. Dr. Mills goes to Germany to study chemistry. Mr. Stacy will study mathematics at Cornell University.

PROFESSOR H. S. BLICHFELDT, of the department of mathematics of Stanford University, who is on sabbatical leave this year and who has been studying in Paris, has gone to Berlin to continue his work.

PROFESSOR WILLIAM A. KELLERMAN, of the Ohio State University, will start on his second annual trip to Guatemala about the middle of December, where he will continue his studies of the mycologic flora. Minor commissions of specialists will be executed gratuitously, so far as time and opportunity may permit, and requests should be sent to Dr. Kellerman at once.

THE following movements among the staff of the U. S. Bureau of Plant Industry have been reported to *The Botanical Gazette*: Dr. W. O. Richtmann has returned from a trip to California, undertaken in the interests of camphor and poppy investigations; Mr. W. F. Wight has just returned from Europe, where he spent four months in studying type specimens of plants in various herbaria; Mr. F. H. Hillman recently visited the Pacific coast in order to study the species of dodder which are so troublesome in alfalfa and clover fields; Mr. G. Fred Klugli spent several months in Idaho and Nevada studying the relation of poisonous plants to the sheep trouble known as 'bighead'; Mr. S. C. Hood, who has been in charge of the Vermont station for drug-plant investigations, at Burlington, has returned to Washington for the winter; Professor H. Pittier is about to start on an exploring trip of four or five months' duration in western Columbia, with a special view to a study of the cottons of that region; Mr. T. B. Young has returned to Washington after a season's work at Ebenezer, S. C., where he has been in charge of the drug-plant farm, in cooperation with Mr. J. W. King; Mr. Edgar Brown recently returned from an inspection of the more important seed laboratories of

England, France, Netherlands, Germany, Austria-Hungary and Switzerland; Mr. W. W. Stockberger recently made a trip through the hop-producing sections of the Pacific coast and the state of New York, where the conditions of brewing and of curing hops have been studied; Dr. J. W. T. Duvel is spending some time in Ohio and Illinois investigating the curing of seed corn. It has been found that by proper treatment seed corn of high vitality can be assured at planting time.

THE Central High School of St. Louis announces a lecture course entitled 'Outlines of Human Development,' by Doctor W J McGee, director of the St. Louis Public Museum. The special topics and dates are:

November 24.—'Development of Human Structures and Functions.'

December 1.—'Racial and Inter-racial Development.'

December 8.—'Development of Mentality and Collective Activity.'

December 15.—'Essentials of Social or Demotic Development.'

January 5.—'Development of Laws and Institutions.'

January 12.—'Development of Primitive Arts and Industries.'

January 19.—'Higher Esthetic and Industrial Development.'

January 26.—'Development of Language and Literature.'

February 2.—'Development of Philosophy.'

February 9.—'Conjoint Development of Science and the Broader Humanities.'

The course was arranged by Miss Amelia C. Fruchte and Principal W. J. S. Bryan, of the Central High School.

AT the monthly general meeting of the Zoological Society of London, held on November 14, the Duke of Bedford, president, in the chair, the report of the council for the months of August, September and October was read by the secretary, Dr. P. Chalmers Mitchell, in which it was stated that during those three months 893 additions had been made to the society's menagerie, viz., 288 had been acquired by presentation, 142 by purchase, 280 had been received on deposit, 72 by exchange, and 111 had been bred in the gardens. The report further stated that the number of

visitors to the society's gardens during the months of August, September and October had been 263,440, showing an increase of 6,810 on the number for the corresponding period of the previous year. The meeting then adjourned to December 21.

#### UNIVERSITY AND EDUCATIONAL NEWS.

THE *Harvard Graduate Magazine* for December contains an article by Mr. J. D. Greene, the secretary of the university, on the endowment fund for increase of salaries, from which it appears that the fund amounts to nearly \$2,300,000. The scale of salaries is to be as follows:

##### Instructors:

Upon appointment .....	\$1,200
Yearly increase .....	100
Maximum .....	1,500

##### Assistant Professors:

In the first five-year term.....	2,500
In the second five-year term.....	3,000

##### Associate Professors:

Upon appointment .....	3,500
Maximum .....	4,500

##### Professors:

Upon appointment .....	4,000
Maximum .....	5,500

MRS. PHOEBE HEARST has presented to the California State University her archeological and anthropological collection from all parts of the world. It has cost over \$400,000, and with it she presents to the university \$60,000 for the maintenance of a department of anthropology.

HOPE COLLEGE, Holland, Mich., recently received \$100,000 from Mr. Ralph Vorhees, of Clinton, N. J., \$35,000 to be used in the erection of a woman's dormitory and the remainder to be added to the endowment fund.

A NEW chemistry hall has been erected for the University of North Carolina by a legislative appropriation of \$50,000.

A BOARD of regents of the University of California has purchased the Bancroft Library. The purchase price was \$250,000, of which amount H. H. Bancroft gave \$100,000.

THE medical department of the University of Vermont, occupied for the first time, on